

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application of: Usuka *et al.* Confirmation No.: 3878  
Serial No.: 10/015,167 Art Unit: 1631  
Filed: December 11, 2001 Examiner: Eric S. DeJong  
For: SYSTEM AND METHOD Attorney Docket No: 9080-016-999  
FOR PREDICTING (800935-999015)  
CHROMOSOMAL REGIONS  
THAT CONTROL  
PHENOTYPIC TRAITS

**AMENDMENT AND RESPONSE UNDER 37 C.F.R. § 1.116**

**Mail Stop: AF**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Dear Sir:

In response to the Office Action mailed on February 1, 2007 in connection with the above-identified patent application, please enter the following amendments and consider the following remarks. Applicants submit concurrently herewith (i) a **Petition for Extension of Time** extending the period of response from May 1, 2007 to and including August 1, 2007; (ii) a **Notice of Appeal**; and (iii) an **Amendment Fee Transmittal**. An Interview Summary of the telephonic interview held on July 17, 2006 can be found in the Remarks below.

**Amendments to the Claims** are reflected in the listing of claims that begins on page 2 of this paper.

**Remarks** begin on page 16 of this paper.